

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

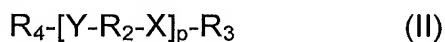
Claims 1-21 (Canceled)

Claim 22 (Currently Amended): Abrasion-resistant yarns, fibres and/or filaments obtained from a composition comprising a polymer matrix, the polymer matrix comprising a polyamide comprising:

- 30 to 100 mol %, limits included, of macromolecular chains corresponding to the following formula (I):



- 0 to 70 mol %, limits included, of macromolecular chains corresponding to the following formula (II):



in which:

- each of X and Y represents $\begin{array}{c} \text{---} \text{N} \text{---} \\ | \\ R_5 \end{array}$ or $\begin{array}{c} \text{---} \text{C} \text{---} \\ || \\ \text{O} \end{array}$, wherein

Y represents $\begin{array}{c} \text{---} \text{N} \text{---} \\ | \\ R_5 \end{array}$ when X represents $\begin{array}{c} \text{---} \text{C} \text{---} \\ || \\ \text{O} \end{array}$,

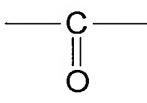
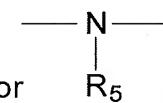
Y represents $\begin{array}{c} \text{---} \text{C} \text{---} \\ || \\ \text{O} \end{array}$ when X represents $\begin{array}{c} \text{---} \text{N} \text{---} \\ | \\ R_5 \end{array}$,

- A is a covalent bond or an aliphatic hydrocarbonaceous radical having from 1 to 20 carbon atoms, and, optionally, heteroatoms,

- R_2 is a branched or unbranched, aliphatic or aromatic, hydrocarbonaceous radical having from 2 to 20 carbon atoms,

- R_3 represents hydrogen or a hydroxyl radical,

- R_3 or R_4 represents hydrogen, a hydroxyl radical or a hydrocarbonaceous

radical having a  or  group,

- R_5 represents hydrogen or a hydrocarbonaceous radical having from 1 to 6 carbon atoms,

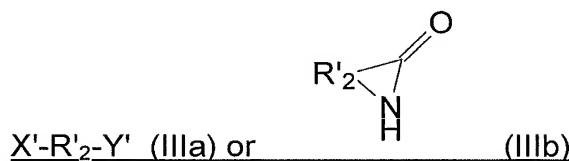
- R_1 is a linear or cyclic, aromatic or aliphatic, hydrocarbonaceous radical having at least 2 carbon atoms and, optionally, heteroatoms, and

- n, m and p each represent a number between 50 and 500,

wherein the polyamide is obtained by copolymerization from a mixture of monomers comprising:

a) a difunctional compound, the reactive functional groups of which are selected from the group consisting of amines, carboxylic acids, alcohols, and their derivatives, the reactive functional groups being identical,

b) monomers of following general formulae (IIIa) or (IIIb)



in which:

R'₂ represents a substituted or unsubstituted, aliphatic, cycloaliphatic or aromatic, hydrocarbonaceous radical having from 2 to 20 carbon atoms and, optionally, heteroatoms,

Y' is an amine radical when X' represents a carboxyl radical, or Y' is a carboxyl radical when X' represents an amine radical, and

wherein the difunctional compound is adipic acid, decanedioic acid, sebacic acid, dodecanedioic acid, terephthalic acid, isophthalic acid, hexamethylenediamine, methylpentamethylenediamine, 4,4'-diaminodicyclohexylmethane, butanediamine, metaxylylenediamine, 1,3-propanediol, 1,2-ethanediol, 1,4-butanediol, 1,5-pentanediol, 1,6-hexanediol or polytetrahydrofuran.

Claims 23 to 25 (Canceled)

Claim 26 (Previously Presented): The yarns, fibres and/or filaments according to claim 22, wherein the polyamide has at least 45 mol % of macromolecular chains corresponding to the formula (I).

Claim 27 (Previously Presented): The yarns, fibres and/or filaments according to claim 22, wherein the polyamide exhibits a number-average molecular mass at least equal to 25,000 g/mol.

Claim 28 (Previously Presented): The yarns, fibres and/or filaments according to claim 22, wherein R₂ is a pentamethylene radical.

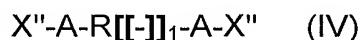
Claim 29 (Canceled)

Claim 30 (Previously Presented): The yarns, fibres and/or filaments according to claim 29, wherein the compound a) represents between 0.05 and 1 mol% with respect to the number of moles of monomers b).

Claim 31 (Previously Presented): The yarns, fibres and/or filaments according to claim 22, wherein the polyamide is obtained by melt blending a polyamide obtained by polymerization of lactams and/or amino acids with a difunctional compound, whose reactive functional groups are amines, alcohols, carboxylic acids or their derivatives, the reactive functional groups being identical.

Claim 32 (Previously Presented): The yarns, fibres and/or filaments according to claim 31, wherein the difunctional compound represents between 0.05 and 2% by weight with respect to the weight of polyamide.

Claim 33 (Currently Amended): The yarns, fibres and/or filaments according to claim 29, wherein the difunctional compound is represented by the formula (IV):



in which X'' represents an amine radical, a hydroxyl radical, a carboxyl group or their derivatives.

Claim 34 (Canceled)

Claim 35 (Previously Presented): The yarns, fibres and/or filaments according to claim 22, wherein the polyamide is obtained by melt blending a polyamide obtained by polymerization of lactams and/or amino acids with a compound of formula (V)

G-R-G (V)

in which

R is substituted or unsubstituted, linear or cyclic, aromatic or aliphatic, hydrocarbonaceous radical, optionally having heteroatoms, and

G is a functional group or a radical which can selectively react either with the amine reactive functional groups or with alcohol reactive functional groups or with the carboxylic acid reactive functional groups of the polyamide to form covalent bonds.

Claim 36 (Previously Presented): The yarns, fibres and/or filaments according to claim 35, wherein the compound of formula (V) represents between 0.05 and 2% by weight with respect to the weight of polyamide.

Claim 37 (Previously Presented): An article comprising yarns, fibres and/or filaments as defined in claim 22.

Claim 38 (Previously Presented): The article according to claim 37, being a felt for a paper-making machine.

Claim 39 (Previously Presented): The article according to claim 37, being a carpet, or a fitted carpet.

Claim 40 (Previously Presented): The article according to claim 37, being a rope or a belt.

Claim 41 (Previously Presented): The article according to claim 37, being a fabric for print transfer or for filtration.

Claim 42 (Previously Presented): The article according to claim 37, being a net.

Claim 43 (Previously Presented): The yarns, fibres and/or filaments according to claim 22, wherein the polyamide has at least 60 mol % of macromolecular chains corresponding to the formula (I).